

Search  for

[Limits](#) [Advanced Search](#) [Help](#) [Full Text](#) [Databases](#)

Display  Sort  Save Text Clip Add Order  
Show:  Items 1-19 of 19 One page.

☐ 1: Manthody C, Yang L, Rezaie AR. [Related Articles](#) [Links](#)  
Role of basic residues of the autolysis loop in the catalytic function of factor Xa.  
Biochemistry. 2002 May 28;41(21):6780-8.  
PMID: 12022882 [PubMed - indexed for MEDLINE]

☐ 2: [Related Articles](#) [Links](#)  
Biotin derivatives of D-Phe-Pro-Arg-CH<sub>2</sub>Cl for active-site-specific labeling of  
thrombin and other serine proteinases.  
Anal Biochem. 2001 Sep 15;296(2):254-61.  
PMID: 11554721 [PubMed - indexed for MEDLINE]

☐ 3: [Related Articles](#) [Links](#)  
The antithrombin P1 residue is important for target proteinase specificity but not for  
heparin activation of the serpin. Characterization of P1 antithrombin variants with  
altered proteinase specificity but normal heparin activation.  
Biochemistry. 2001 Jun 5;40(22):6670-9.  
PMID: 11380262 [PubMed - indexed for MEDLINE]

☐ 4: Turner PC, Baquero MT, Yuan S, Thoenes SR, Moyer RW. [Related Articles](#) [Links](#)  
The cowpox virus serpin SPI-3 complexes with and inhibits urokinase-type and  
tissue-type plasminogen activators and plasmin.  
Virology. 2000 Jul 5;272(2):267-80.  
PMID: 10873770 [PubMed - indexed for MEDLINE]

☐ 5: St Charles R, Padmanabhan K, Arni RV, Padmanabhan KP, Tulinsky A. [Related Articles](#) [Links](#)  
Structure of tick anticoagulant peptide at 1.6 Å resolution complexed with bovine  
pancreatic trypsin inhibitor.  
Protein Sci. 2000 Feb;9(2):265-72.  
PMID: 10716178 [PubMed - indexed for MEDLINE]

☐ 6: Narasimhan LS, Rubin JR, Holland DR, Plummer JS, Rapundalo ST, Edmunds WJ, Edwards JH, St-Denis Y, Siddiqui MA, Humblet C.  
Structural basis of the thrombin selectivity of a ligand that contains the constrained  
arginine mimic (2S)-2-amino-(3S)-3-(1-carbamimidoyl-piperidin-3-yl)-propanoic  
acid at P1.  
J Med Chem. 2000 Feb 10;43(3):361-8.  
PMID: 10669563 [PubMed - indexed for MEDLINE]

☐ 7: [Related Articles](#) [Links](#)  
Design, synthesis and structure-activity relationship of a series of arginine aldehyde  
factor Xa inhibitors. Part I: structures based on the (D)-Arg-Gly-Arg tripeptide  
sequence.  
Bioorg Med Chem Lett. 2000 Jan 3;10(1):13-6.  
PMID: 10636232 [PubMed - indexed for MEDLINE]

☐ 8: Rester U, Bode W, Moser M, Parry MA, Huber R, Aberswald H. [Related Articles](#) [Links](#)

Structure of the complex of the antistasin-type inhibitor bdellastasin with trypsin and modelling of the bdellastasin-microplasmin system.

J Mol Biol. 1999 Oct 15;293(1):93-106.

PMID: 10512718 [PubMed - indexed for MEDLINE]

- **9:**Die MZ, Le Bonniec BF, Hopkins PC, Hippler K, Stone SR. *Receptor Antagonists, Enzymes*  
Role of the P2 residue in determining the specificity of serpins.  
Biochemistry. 1996 Sep 3;35(35):11461-9.  
PMID: 8784202 [PubMed - indexed for MEDLINE]
- **10:**Lee WH, Zhang Y, Wang WY, Xiong YL, Gao R. *Receptor Antagonists, Enzymes*  
Isolation and properties of a blood coagulation factor X activator from the venom of king cobra (*Ophiophagus hannah*).  
Toxicon. 1995 Oct;33(10):1263-76.  
PMID: 8599178 [PubMed - indexed for MEDLINE]
- **11:**Okayama T, Seki S, Ito H, Takeshima T, Hagiwara M, Morikawa T. *Receptor Antagonists, Enzymes*  
Lactam-conformationally restricted analogs of N alpha-arylsulfonyl arginine amide: design, synthesis and inhibitory activity toward thrombin and related enzymes.  
Chem Pharm Bull (Tokyo). 1995 Oct;43(10):1683-91.  
PMID: 8536341 [PubMed - indexed for MEDLINE]
- **12:**Deadman JJ, Elgendy S, Goodwin CA, Green D, Baban JA, Patel G. *Receptor Antagonists, Enzymes*  
Skordalakes E, Chino N, Claeson G, Kakkar VV, et al.  
Characterization of a class of peptide boronates with neutral P1 side chains as highly selective inhibitors of thrombin.  
J Med Chem. 1995 Apr 28;38(9):1511-22.  
PMID: 7739010 [PubMed - indexed for MEDLINE]
- **13:**Padmanabhan K, Padmanabhan KP, Tulinsky A, Park CH, Bode W, Huber R. *Receptor Antagonists, Enzymes*  
Blankenship DT, Cardin AD, Kistel W.  
Structure of human des(1-45) factor Xa at 2.2 A resolution.  
J Mol Biol. 1993 Aug 5;232(3):947-66.  
PMID: 8355279 [PubMed - indexed for MEDLINE]
- **14:**Shuman RT, Rothenberger RB, Campbell CS, Smith GF, Gifford-Moore DS. *Receptor Antagonists, Enzymes*  
Gesellechen PD.  
Highly selective tripeptide thrombin inhibitors.  
J Med Chem. 1993 Feb 5;36(3):314-9.  
PMID: 8426361 [PubMed - indexed for MEDLINE]
- **15:**Keyt BA, Berleau LT, Nguyen HV, Bennett WF. *Receptor Antagonists, Enzymes*  
Radioiodination of the active site of tissue plasminogen activator: a method for radiolabeling serine proteases with tyrosylprolylarginyl chloromethyl ketone.  
Anal Biochem. 1992 Oct;206(1):73-83.  
PMID: 1456445 [PubMed - indexed for MEDLINE]
- **16:**Dunwiddie C, Thornberry NA, Bull HG, Sardana M, Friedman PA, Jacobs JW, Simpson F. *Receptor Antagonists, Enzymes*  
Antistasin, a leech-derived inhibitor of factor Xa. Kinetic analysis of enzyme inhibition and identification of the reactive site.  
J Biol Chem. 1989 Oct 5;264(28):16694-9.  
PMID: 2777803 [PubMed - indexed for MEDLINE]
- **17:**Powers JC, Kam CM, Narasimhan L, Oleksyszyn J, Hernandez MA, Ueda T. *Receptor Antagonists, Enzymes*  
Mechanism-based isocoumarin inhibitors for serine proteases: use of active site structure and substrate specificity in inhibitor design.  
J Cell Biochem. 1989 Jan;39(1):33-46. Review.  
PMID: 2654146 [PubMed - indexed for MEDLINE]

18: Laura R. Robison DJ, Bing DH.

(p-Amidinophenyl)methanesulfonyl fluoride, an irreversible inhibitor of serine proteases.

Biochemistry. 1980 Oct 14;19(21):4859-64.

PMID: 6775696 [PubMed - indexed for MEDLINE]

19: Hijioka A, Okamoto S, Kikumoto R, Tamao Y

Kinetic studies on the selectivity of a synthetic thrombin-inhibitor using synthetic peptide substrates.

Thromb Haemost. 1979 Oct 31;42(3):1039-45.

PMID: 159513 [PubMed - indexed for MEDLINE]

Display	Summary	Sort	Save	Text	Clip Add	Order
---------	---------	------	------	------	----------	-------

Show: 20 Items 1-19 of 19 One page.

Write to the Help Desk  
NCBI | NLM | NIH  
Department of Health & Human Services  
Freedom of Information Act | Disclaimer

Search  for

Display  Sort      
 Show:  Items 1-15 of 15 One page.

☐ **1:** Manthody C, Yang L, Rezaie AR. [Related Articles](#) [Links](#)  
 Role of basic residues of the autolysis loop in the catalytic function of factor Xa.  
 Biochemistry. 2002 May 28;41(21):6780-8.  
 PMID: 12022882 [PubMed - indexed for MEDLINE]

☐ **2:** Aoki S, Miyake T. [Related Articles](#) [Links](#)  
 Biotin derivatives of D-Phe-Pro-Arg-CH<sub>2</sub>Cl for active-site-specific labeling of thrombin and other serine proteinases.  
 Anal Biochem. 2001 Sep 15;296(2):254-61.  
 PMID: 11554721 [PubMed - indexed for MEDLINE]

☐ **3:** Lamm ME, Suck D, Riebel S, Moller S, O'Connell S. [Related Articles](#) [Links](#)  
 The antithrombin P1 residue is important for target proteinase specificity but not for heparin activation of the serpin. Characterization of P1 antithrombin variants with altered proteinase specificity but normal heparin activation.  
 Biochemistry. 2001 Jun 5;40(22):6670-9.  
 PMID: 11380262 [PubMed - indexed for MEDLINE]

☐ **4:** Turner PC, Baquero MT, Yuan S, Thoennes SR, Moyer RW. [Related Articles](#) [Links](#)  
 The cowpox virus serpin SPI-3 complexes with and inhibits urokinase-type and tissue-type plasminogen activators and plasmin.  
 Virology. 2000 Jul 5;272(2):267-80.  
 PMID: 10873770 [PubMed - indexed for MEDLINE]

☐ **5:** St Charles R, Padmanabhan K, Arm RV, Padmanabhan KP, Tulinsky A. [Related Articles](#) [Links](#)  
 Structure of tick anticoagulant peptide at 1.6 A resolution complexed with bovine pancreatic trypsin inhibitor.  
 Protein Sci. 2000 Feb;9(2):265-72.  
 PMID: 10716178 [PubMed - indexed for MEDLINE]

☐ **6:** Maitland-Giles S, Gough PJ, Suck D, O'Connell S. [Related Articles](#) [Links](#)  
 Design, synthesis and structure-activity relationship of a series of arginine aldehyde factor Xa inhibitors. Part 1: structures based on the (D)-Arg-Gly-Arg tripeptide sequence.  
 Bioorg Med Chem Lett. 2000 Jan 3;10(1):13-6.  
 PMID: 10636232 [PubMed - indexed for MEDLINE]

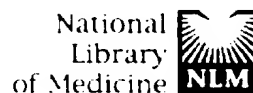
☐ **7:** Rester U, Bode W, Moser M, Parry MA, Huber R, Auerwald F. [Related Articles](#) [Links](#)  
 Structure of the complex of the antistatin-type inhibitor bdellastatin with trypsin and modelling of the bdellastatin-microplasmin system.  
 J Mol Biol. 1999 Oct 15;293(1):93-106.  
 PMID: 10512718 [PubMed - indexed for MEDLINE]

☐ **8:** Djie MZ, Le Bonniec BI, Hopkins PC, Hipier K, Stone SR. [Related Articles](#) [Links](#)  
 Role of the P2 residue in determining the specificity of serpins.  
 Biochemistry. 1996 Sep 3;35(35):11461-9.

- **9:** Lee WH, Zhang Y, Wang WY, Xiong YL, Gao R. [Related Articles - Links](#)  
Isolation and properties of a blood coagulation factor X activator from the venom of king cobra (*Ophiophagus hannah*).  
Toxicol. 1995 Oct;33(10):1263-76.  
PMID: 8599178 [PubMed - indexed for MEDLINE]
- **10:** Deadman JJ, Elgendy S, Goodwin CA, Green D, Babani JA, Patel G, [Related Articles - Links](#)  
Skordalakes E, Chino N, Claeson G, Kakkar VV, et al.  
Characterization of a class of peptide boronates with neutral P1 side chains as highly selective inhibitors of thrombin.  
J Med Chem. 1995 Apr 28;38(9):1511-22.  
PMID: 7739010 [PubMed - indexed for MEDLINE]
- **11:** Padmanabhan K, Padmanabhan KP, Tulinsky A, Park CH, Bode W, Huber R, [Related Articles - Links](#)  
Blankenship DT, Cardin AD, Kistiel W.  
Structure of human des(1-45) factor Xa at 2.2 Å resolution.  
J Mol Biol. 1993 Aug 5;232(3):947-66.  
PMID: 8355279 [PubMed - indexed for MEDLINE]
- **12:** Keyt BA, Berleau LT, Nguyen HV, Bennett WF. [Related Articles - Links](#)  
Radioiodination of the active site of tissue plasminogen activator: a method for radiolabeling serine proteases with tyrosylprolylarginyl chloromethyl ketone.  
Anal Biochem. 1992 Oct;206(1):73-83.  
PMID: 1456445 [PubMed - indexed for MEDLINE]
- **13:** Dunwiddie C, Thornberry NA, Bull HG, Sardana M, Friedman PA, Jacobs [Related Articles - Links](#)  
JW, Simpson L.  
Antistasin, a leech-derived inhibitor of factor Xa. Kinetic analysis of enzyme inhibition and identification of the reactive site.  
J Biol Chem. 1989 Oct 5;264(28):16694-9.  
PMID: 2777803 [PubMed - indexed for MEDLINE]
- **14:** Powers JC, Kam CM, Narasimhan L, Oleksyszyn J, Hernandez MA, Ueda T. [Related Articles - Links](#)  
Mechanism-based isocoumarin inhibitors for serine proteases: use of active site structure and substrate specificity in inhibitor design.  
J Cell Biochem. 1989 Jan;39(1):33-46. Review.  
PMID: 2654146 [PubMed - indexed for MEDLINE]
- **15:** Laura R, Robison DJ, Bing DH. [Related Articles - Links](#)  
(p-Amidinophenyl)methanesulfonyl fluoride, an irreversible inhibitor of serine proteases.  
Biochemistry. 1980 Oct 14;19(21):4859-64.  
PMID: 6775696 [PubMed - indexed for MEDLINE]

Display	Summary ▼	Sort ▼	Save	Text	Clip Add	Order
---------	-----------	--------	------	------	----------	-------

Show  Items 1-15 of 15 One page.



Search  for

- Search History will be lost after one hour of inactivity.
- To combine searches use # before search number, e.g., #2 AND #6.
- Search numbers may not be continuous; all searches are represented.

Search	Most Recent Queries	Time	Result
#4	Search <b>arginine AND Xa protease AND inhibitor AND (specificity or selectivity )</b>	10:46:53	19
#3	Search <b>arginine AND Xa protease AND inhibitor AND specificity</b>	10:44:44	15
#2	Search <b>arginine AND Xa protease AND specificity</b>	10:44:38	35
#1	Search	10:43:59	0

Write to the Help Desk  
NCBI | NLM | NIH  
Department of Health & Human Services  
Freedom of Information Act | Disclaimer